



Royal Shield

Synthetic Roofing Underlayment

High Performance

Royal Shield™ High Performance Synthetic Roof Underlayment is one of the safest, toughest and best-performing roof underlayments available. The light blue color provides a cool, low-glare surface and reduces heat absorption. Woven from polymer fabric, Royal Shield™ offers Strength; Durability; Excellent Traction on steep slopes; offers a Wrinkle-Free surface and is UV Resistance. The textured surface provides superior traction in a variety of roof and weather conditions.



High Performance

10x Lighter, 30x Stronger than 30 lb type felt



Excellent Skid Resistance

Outstanding traction on steep slopes, even through bad weather conditions



UV Protection

Advanced UV Technology allows upto 6 months of UV exposure



Excellent Wind Resistance

Helps eliminate blow-off

Yes! **Asphalt Shingles**

Yes! **Metal Roof**

Yes! **Concrete Tiles**

Yes! **Clay Tiles**

Building Code and Roofing Standard Compliance:

ASTM D226

ICC-ES AC188

ASTM D4869

CAN/CSA - A220

ICC-ES AC207

CAN/CSA - A123.3

Roll Specifications:

10 Square Roll

4.0 ft. x 250 ft.

35 lbs./Roll

36 Rolls Per Pallet



KPNE Products Ltd.

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Royal Shield™ Features:

- **30 Times Stronger** than regular Type 15 and 30 felt, when installed as directed in the installation instructions and is
- **Resistant to tearing** and stretching around fasteners; during high winds or in high traffic areas.
- **Skid-resistant polymer** coating provides traction and a safer working surface
- **Wider** offering greater coverage
- **100% Recyclable material**, manufactured from recyclable material
- **More effective and lighter** in comparison to regular Type 15lbs. & 30lbs. felt
- **Low temperature flexibility**
- **Won't crack, buckle or warp:** Royal Shield™ with its lay-flat and water repellent keeps Royal Shield™ from warping, wrinkling and cracking in cold weather
- **Royal Shield™** is a synthetic product that will support **no - mold, no oil leaching and has no hazardous properties**
- **Enhanced UV Resistant for 6 months**
- **Pre- printed nailing pattern and overlap lines for speedy installation**

Product Specification		Test Method
Roll Width	48 in.	
Roll Length	250 ft.	
Weight Per Square	3.5 lbs	
Nominal Thickness	14 Mils	ASTM D1777
Water Ponding	Pass	ASTM D779
Pliability	Pass	ASTM D226
Liquid Water Transmission	Pass	ASTM D4869
Water Vapour Permeance	0.1 perms	ASTM E96
Elongation	18%	ASTM D751
Tensile Strength (lbs./in)	MD 120 CD 110	ASTM D751
Tear Strength (g)	MD > 3200 CD > 3200	ASTM D1922
Beach Puncture	Pass	TAPPI T803
Long Term Sag	Pass	ICC AC207
Ultra Violet Aging	Pass	ICC AC207
Accelerated Aging	Pass	ICC AC207
Fastner Pull Through	Pass	ASTM D3462

* Test data is based on average taken over several production runs of control/non-conditional specimens and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications. All values ± 10 %.

	Royal Shield™	30 Lbs. felt
Material Composition	100% Polypropylene	Asphalt
Weight Per Roll	35 lbs	60 lbs
UV Resistant	6 Months	No
Warranty	Yes - 30 Years	No
Anti-Slip Surface	Yes	No
Tear Resistance	Yes - 30X then 15lb Felt	No
Pre-Printed Nailing Pattern	Yes	No
Roll Length	250 Lnft	72 Lnft
Roll Width	48 in.	36 in.